Name of Work: Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
					Detailed Measurements			
SOR M/00-12.1 Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P required, scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications By Manual Means B Cement Concrete Grade M-15 & M-20								
Net Premeasurement page no.					510.251			
				Present Qty	510.251	Cum	526.00	268392.16
Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P required, scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications By Manual Means B Cement Concrete Grade M-15 & M-20								
Net Premeasurement page no.					811.63			
				Present Qty	811.63	Cum	135.00	109570.59
SOR M2100-10 Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, well crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form work, scaffolding and centering complete as per specifications.								
Net Premeasurement page no.					107.06			618807.10
				Present Qty	107.06	Cum	5780.00	618812.58
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete including cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm								
Net Premeasurement page no.					194.55			1444145.20
				Present Qty	194.55	Cum	7423.00	1444133.52
Providing and laying in position plain/Reinforced cement cement concrete M20 for sub-structure Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.69 cum and fine aggregates @ 0.46 cum machine mixed with super plasticizers @ 3 lts confirming to IS 9103-2008,concrete laid in layers, well compacted and including weep holes wherever necessary. with necessary scaffolding, form work etc., including cost of labour, HOM curing etc., complete								
Net Premeasurement page no.					12.85			71202.00
				Present Qty	12.85	Cum	5541.00	71192.98
KBS 4.6.1 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.1								
Net Premeasurement page no.					9.96			
				Present Qty	9.96	Cum	287.00	2858.52
KBS 4.6.1 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.1								

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Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Sub Measurement page no.					59.76			
				Present Qty	59.76	Sqm	398.00	23784.48
5.16.1 Providing T M T steel reinforcement for R C C work including straightening, cutting, bending, placing in position, lapping and / or welding wherever required, tying with wire and anchoring to the adjoining members wherever necessary complete as per design drawings and specifications. (Bends and wastage shall not be measured and paid) cost of materials, labour, HOM complete								
Sub Measurement page no.					13.80			
				Present Qty	13.80	Tn	78978.00	1090055.03
5.8.3-1 Providing, laying, spreading and compacting crushed stone aggregates of granite metal to wet mix macadam specifications including pre mixing the material with water at mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers sub layer in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406								
Sub Measurement page no.					59.42			
				Present Qty	59.42	Cum		
				Upto 125%	57.50	Cum	2101.00	120807.50
				Above 125%	1.92	Cum	2101.00	4043.37
5.10.3 Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with 40 mm nominal size and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates 0.43cum over a prepared sub-base, coarse and fine aggregate conforming to IS 383-1970, aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per clause 406.1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications Clause 601of MORTH V Revision and IS 456 Table-5								
Sub Measurement page no.					311.650			
				Present Qty	311.650	Cum	3990.00	1243482.50

NEWZEN CONSULTANTS Bangalore Consultant

Contractor

Assistant Engineer

Asst. Executive Engineer,

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Work: Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Detailed Measurements

Name of Measurement

Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing RCC Precast cover slab of 100mm thick for drain in design concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and necessary finished surfaces on both sides etc, complete and as per drawing								
Thirumenahalli Colony								
(LHS From Main Rd)								
0.00m to 22.20m	1	22.20	0.75		16.65			
Culvert Gap								
22.20m to 52.20m	1	30.00	0.75		22.50			
52.20m to 62.70m	1	10.50	0.75		7.88			
Box Culvert								
Balance								
0.00m to 30.00m	1	30.00	0.90		27.00			
30.00m to 60.00m	1	30.00	0.90		27.00			
60.00m to 62.90m	1	2.90	0.90		2.61			
Box Culvert								
(RHS From Dead End)								
0.00m to 19.80m	1	19.80	0.90		17.82			
19.80m to 21.80m	1	2.00	0.90		1.80			
Cross Rd(2nd Street To 3rd Street)								
(RHS From 2nd Street)								
0.00m to 22.50m	1	22.50	0.90		20.25			
(LHS From 2nd Street)								
0.00m to 19.50m	1	19.50	0.90		17.55			
2nd Street								
0.00m to 6.20m	1	6.20	0.90		5.58			
Culvert Gap								
6.20m to 28.20m	1	22.00	0.90		19.80			
Cross Rd(4th Street To 5th Street)								
(LHS From 4th Street)								
0.00m to 30.00m	1	30.00	0.90		27.00			
5th Street								
(RHS From Main Rd)								
0.00m to 30.00m	1	30.00	0.90		27.00			
30.00m to 60.00m	1	30.00	0.90		27.00			

Consultant

Assistant Engineer

Asst. Executive Engineer.

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Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch:78.00m to 90.00m	1	30.00	0.90		27.00			
Ch:90.00m to 102.40m	1	12.40	0.90		11.16			
Ch:102.40m to 108.20m	1	5.80	0.90		5.22			
LHS(From Main Rd)								
Ch:0.00m to 30.00m	1	30.00	0.90		27.00			
Ch:30.00m to 54.30m	1	24.30	0.90		21.87			
Dwarf cap								
Ch:54.30m to 84.30m	1	30.00	0.90		27.00			
Ch:84.30m to 90.10m	1	5.80	0.90		5.22			
Box Culvert								
Cross Rd(Z-Shape)								
Ch:0.00m to 30.00m	1	30.00	0.90		27.00			
Ch:30.00m to 31.10m	1	1.10	0.90		0.99			
Ch:31.10m to 42.10m	1	11.00	0.90		9.90			
Ch:42.10m to 44.20m	1	2.10	0.90		1.89			
Ch:44.20m to 61.70m	1	17.50	0.90		15.75			
Ch:61.70m to 91.70m	1	30.00	0.90		27.00			
Ch:91.70m to 112.00m	1	20.30	0.90		18.27			
Cross Rd(L-Shape)								
Ch:0.00m to 13.70m	1	13.70	0.90		12.33			
Opp to 2nd Street								
Ch:0.00m to 30.00m	1	30.00	0.90		27.00			
Ch:30.00m to 49.00m	1	19.00	0.90		17.10			
Near Flagging Course								
2nd Cross Rd								
LHS(From Dead End)								
Ch:0.00m to 30.00m	1	30.00	0.90		27.00			
Ch:30.00m to 60.00m	1	30.00	0.90		27.00			
Ch:60.00m to 90.00m	1	30.00	0.90		27.00			
Ch:90.00m to 120.00m	1	30.00	0.90		27.00			
Ch:120.00m to 150.00m	1	30.00	0.90		27.00			
Ch:150.00m to 165.00m	1	15.00	0.90		13.50			
Ch:165.00m to 193.00m	1	28.00	0.00		0.00			
Ch:193.00m to 223.00m	1	30.00	0.90		27.00			
Ch:223.00m to 228.40m	1	5.40	0.90		4.86			
RHS(From Main Rd)								
Ch:0.00m to 12.40m	1	12.40	0.90		11.16			
Ch:12.40m to 21.30m	1	8.90	0.00		0.00			
Ch:21.30m to 46.40m	1	25.10	0.90		22.59			
Ch:46.40m to 49.40m	1	3.00	0.00		0.00			
Ch:49.40m to 79.40m	1	30.00	0.90		27.00			
Ch:79.40m to 109.40m	1	30.00	0.90		27.00			
Ch:109.40m to 139.40m	1	30.00	0.90		27.00			

NEWZEN CONSULTANT Bangalore Consultant

15/3/24
Assistant Engineer

15/3/2024
Asst. Executive Engineer,

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Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
[illegible]	1	7.00	0.90		6.30			
[illegible]	1	4.80	0.00		0.00			
[illegible]	1	30.00	0.90		27.00			
[illegible]	1	30.00	0.90		27.00			
[illegible]	1	14.00	0.90		12.60			
				Present Qty	917.15	Sqm		
				Upto 125%	540.00	Sqm	2454.00	1325160.00
				Above 125%	377.15	Sqm	2454.00	925513.83

Chd. the 16/3/4

16/3/4

15/3

Asst. Engineer

Asst. Executive Engineer,

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...s improvements to Roads and Drains At Thirumennahalli Colony In Ward no.05

Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Detailed Measurements								
...ng and Fixing pre cast covering Slab 250mm thick made out of CC ...ed jelly 20mm Down size with steel reinforcement including form ...ring including cost of alll materials, labour,hire charges of ...loading, unloading, lead and lift,transportation etc ,complete As ...mennahalli								
...ver Nil 2nd Street To 3rd	1	3.80	1.20		4.56			
...ver	1	3.80	1.20		4.56			
...ver	1	6.20	1.50		9.30			
...ver KHS	1	4.30	1.20		5.16			
...ER KHS	1	6.80	1.20		8.16			
					Present Qty	**31.74**	**Sqm**	**5688.00**	**180537.12**

30/3/21

30/3/21

NEINZEN CONSULTANT Bangalore Consultant

30/3/21

Assistant Engineer

30/3/2021

Asst. Executive Engineer,

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Work, Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Detailed Measurements

Recorded On: 8/3/24 - 9/3/24

Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
...forming un-reinforced, plain cement concrete for pavements using ...ready concrete M30 with OPC at 360 kg/cum and coarse aggregate ...down, fine aggregate 0.46cum over a prepared base with OPC coarse ...aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine ...aggregate conforming to IS 383-2016, with Superplastizer at 3 lts ...according to IS 9103-2008 mixed in a concrete mixer of not less than ...0.4 cum capacity and appropriate weigh batcher as per approved mix ...design, laid in approved fixed side form work (steel channel, laying and ...providing of 125 micron thick polythene film, wedges, steel plates including ...removing the form work as per drawing) & Spreading the concrete with ...vibrating, rackers compacted using needle, screed and plate vibrator and ...finished with floaters in a continuous operation including provision of ...contraction, expansion, construction and longitudinal joints,including ...curing charges, joint filler, separation membrane of impermiable ...polythene sheet of 125 micron, sealant primer, joint sealant, admixtures as ...approved, curing compound, finishing to lines and grades, textured with ...texturing machine, and curing including cost of all materials, labour,hire								
...C Road								
...Thirumenahalli Colony								
...nd Street								
...3.00m to 30.00m	1	30.00	4.30 + 5.00 / 2		0.15	20.93		
...30.00m to 60.00m	1	30.00	5.00 + 6.00 / 2		0.15	24.75		
...60.00m to 63.30m	1	3.30	6.00 + 6.00 / 2		0.15	2.97		
...ntre								
...6.00m to 7.10m	1	7.10	4.50 + 4.50 / 2		0.15	4.79		
...ntinue								
...30.00m to 30.00m	1	30.00	4.30 + 4.40 / 2		0.15	19.58		
...30.00m to 60.00m	1	30.00	4.40 + 4.50 / 2		0.15	20.03		
...60.00m to 63.00m	1	3.00	4.50 + 4.50 / 2		0.15	2.03		
...ss Rd(2nd Street To 3rd ...et)								

8/3/24

9/3/24

NEWZEN CONSULTANT Bangalore Consultant

15/3/24
Asst Engineer

15/3/2024
Asst Exec. Engineer.

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Description of Item	No.	Length	Breadth			Depth	Qty	Unit	Rate	Amount
Road from 19.80m	1	19.80	3.60	+	3.90	0.15	11.14			
			2							
Road from 9.70m	1	9.70	5.00	+	4.60	0.15	6.98			
			2							
Road from 22.00m	1	22.00	3.70	+	4.20	0.15	13.04			
			2							
4th Street To 5th										
Road from 30.00m to 30.00m	1	30.00	4.40	+	4.30	0.15	19.58			
			2							
Road from 32.30m to 32.30m	1	2.30	4.30	+	4.30	0.15	1.48			
			2							
5th Street										
Road from 30.00m to 30.00m	1	30.00	4.50	+	4.90	0.15	21.15			
			2							
Road from 51.10m to 51.10m	1	21.10	4.90	+	5.50	0.15	16.46			
			2							
6th Street										
Road from 30.00m to 30.00m	1	30.00	4.60	+	4.35	0.15	20.14			
			2							
Road from 60.00m to 60.00m	1	30.00	4.35	+	4.50	0.15	19.91			
			2							
Road from 90.00m to 90.00m	1	30.00	4.50	+	4.40	0.15	20.03			
			2							
Road from 101.40m to 101.40m	1	11.40	4.40	+	4.50	0.15	7.61			
			2							
Cross Rd										
Road from 30.00m to 30.00m	1	30.00	5.20	+	3.00	0.15	18.45			
			2							
Road from 50.00m to 50.10m	1	20.10	3.00	+	3.00	0.15	9.05			
			2							
Agartala Layout										
1st Cross Rd(Left Side)										
Cross Rd-1										
Road from 0.00m to 15.00m	1	15.00	3.50	+	3.50	0.15	7.88			
			2							
Road from 15.00m to 23.40m	1	8.40	3.50	+	4.70	0.15	5.17			
			2							
Cross Rd-2										
Road from 0.00m to 15.00m	1	15.00	3.20	+	3.20	0.15	7.20			
			2							

ARZEN CONSULTANT Bygone Consultant Silchar

Asst. Engineer

Asst. Exec. Engineer,

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Description of Item	No	Length	Breadth			Depth	Qty	Unit	Rate	Amount
	1	15.00	3.20	+	3.20	0.15	7.20			
			2							
	1	8.50	3.20	+	3.30	0.15	4.14			
			2							
Present Qty							**311.65**	**Cum**	**5471.00**	**1705035.78**

Chd. to Top

Asst Engineer

Asst. Exec. Engineer.

NEWZEN CONSULTANT ★ Bhubaneswar ★ Consultant

Asst Engineer

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Work: Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Details Recorded On: Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
			Detailed Measurements					
Dewatering with vaccum pump and suction mat and compaction with power clubbed with floating disc including cost of generator, HOM of 100 Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift								
Road Thirumenahalli Colony								
Street								
30.00m to 30.00m	1	30.00	4.30 + 5.00 / 2		139.50			
30.00m to 60.00m	1	30.00	5.00 + 6.00 / 2		165.00			
60.00m to 63.30m	1	3.30	6.00 + 6.00 / 2		19.80			
ntinue								
7.10m to 7.10m	1	7.10	4.50 + 4.50 / 2		31.95			
ntinue								
30.00m to 30.00m	1	30.00	4.30 + 4.40 / 2		130.50			
60.00m to 60.00m	1	30.00	4.40 + 4.50 / 2		133.50			
63.00m to 63.00m	1	3.00	4.50 + 4.50 / 2		13.50			
Cross Rd(2nd Street To 3rd Street)								
19.80m to 19.80m	1	19.80	3.60 + 3.90 / 2		74.25			
2nd Street								
9.70m to 9.70m	1	9.70	5.00 + 4.60 / 2		46.56			
ntinue								
22.00m to 22.00m	1	22.00	3.70 + 4.20 / 2		86.90			
Cross Rd(4th Street To 5th Street)								
30.00m to 30.00m	1	30.00	4.40 + 4.30 / 2		130.50			
32.30m to 32.30m	1	2.30	4.30 + 4.30 / 2		9.89			

ZENZEN CONSULTANT Bangalore Consultant

Asst. Engineer 9/4/24

Asst. Exec. Engineer 9/4/24

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Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
00m to 30.00m	1	30.00	4.50 + 4.90 / 2		141.00			
00m to 51.10m	1	21.10	4.90 + 5.50 / 2		109.72			
00m to 30.00m	1	30.00	4.60 + 4.35 / 2		134.25			
00m to 60.00m	1	30.00	4.35 + 4.50 / 2		132.75			
00m to 90.00m	1	30.00	4.50 + 4.40 / 2		133.50			
00m to 101.40m	1	11.40	4.40 + 4.50 / 2		50.73			
ss Rd								
00m to 30.00m	1	30.00	5.20 + 3.00 / 2		123.00			
00m to 50.10m	1	20.10	3.00 + 3.00 / 2		60.30			
ills Layout								
Cross Rd(Left Side)								
ss Rd-1								
00m to 15.00m	1	15.00	3.50 + 3.50 / 2		52.50			
15.00m to 23.40m	1	8.40	3.50 + 4.70 / 2		34.44			
ss Rd-2								
00mt to 15.00m	1	15.00	3.20 + 3.20 / 2		48.00			
15.00m to 30.00m	1	15.00	3.20 + 3.20 / 2		48.00			
30.00m to 38.50m	1	8.50	3.20 + 3.30 / 2		27.63			156864.00
				Present Qty	**2077.67**	**Sqm**	**75.50**	**156863.71**
				Total				**9290243.67**
				GST 12%				**1114829.24**
				Grand Total				**10405072.91**

10404915.00

Consultant

Asst. Engineer

Asst. Exec. Engineer.

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